```
#Female rat paramters (Table 2 Yang et al. 2012)
#Metabolism is based on posterior values from
#MCMC analysis of the female rat in vitro data
#Female Fischer Rat

parms <-c(
  BW = 0.25 ,      # Body weight
  QPC = 21. ,      # Unscaled Alveolar Vent
  QCC = 18. ,      # Unscaled Cardiac Output

  #FRACTIONAL BLOOD FLOWS TO TISSUES
  QLC = 0.183 ,    # Flow to Liver as % Cardiac Output
  QFC = 0.07  ,    # Flow to Fat as % Cardiac Output
  QSC = 0.278 ,    # Flow to Slow as % Cardiac Output
  QKC = 0.14  ,    # Flow to Kidney as % Cardiac Output (Brown et. al.
1997)

  #FRACTIONAL VOLUMES OF TISSUES
  VLC = 0.0366 ,   # Volume Liver as % Body Weight
  VLUC = 0.005 ,   # Volume Lung as % Body Weight
  VFC = 0.1  ,    # Volume Fat as % Body Weight
  VRC = 0.04644 ,   # Volume Rapid Perfused as % Body Weight
  VSC = 0.4  ,    # Volume Slow Perfused as % Body Weight
  VKC = 0.0073 ,   # Volume Kidney as % Body Weight (Brown et. al. 1997)

  #PARTITION COEFFICIENTS PARENT
  PL = 1.57 ,     # Liver/Blood Partition Coefficient
  PLU = 1.84 ,     # Lung/Blood Partition Coefficient
  PF = 16.87 ,     # Fat/Blood Partition Coefficient
  PS = 0.60  ,    # Slow/Blood Partition Coefficient
  PR = 2.27 ,     # Rapid/Blood Partition Coefficient
  PB = 7.35 ,     # Blood/Air Partition Coefficient
  PK = 2.27 ,     # Kidney/Blood Partition Coefficient

  #KINETIC CONSTANTS
  MW = 88.5  , # Molecular weight (g/mol)
  # Metabolism in Liver
  VMAXC = 9.37  , # Scaled VMax for Oxidative Pathway:Liver
  KM = 0.09  ,  # Km for Oxidative Pathway:Liver
  # Metabolism in Lung
  VMAXCLU = 0.0 ,  # Scaled VMax for Oxidative Pathway:Lung
  KMLU = 0.25 ,    # Km for Oxidative Pathway:Lung
  KFLUC = 0.16  ,   # Pseudo-first order clearance in lung (Km
unidentifiable)
  # Metabolism in Kidney (YYang 2009)
  VMAXCKid = 0.02 , # Scaled VMax for Oxidative Pathway:Kidney
  KMKD = 0.05  ,  # Km for Oxidative Pathway :Kidney

  #DOSING INFORMATION
  TSTOP = 7.0 ,
  CONC = 0.0     # Initial concentration (ppm)
)
```